Q1. List department name, and the number of employees hired in each department year-wise.

```sql
SELECT DISTINCT  department.Name,COUNT (humanresource.JobTitle) OVER( PARTITION BY
department.Name ORDER BY history.StartDate),YEAR(history.StartDate)
from [AdventureWorks2019].[HumanResources].[Department] as department

INNER join [AdventureWorks2019].[HumanResources].[EmployeeDepartmentHistory] as
history on department.DepartmentID=history.DepartmentID AND history.EndDate IS NULL

INNER JOIN [AdventureWorks2019].[HumanResources].[Employee] AS humanresource on
humanresource.BusinessEntityID=history.BusinessEntityID
```